

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Revision date: 12/14/2022 Supersedes version of: 8/3/2018 Version: 4.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Pre-Bond

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : For Rx Only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ManufacturerEC REPBISCO, Inc.BISICO France

1100 W. Irving Park Rd.208, allée de la CoudouletteSchaumburg, IL 6019313680 Lançon de ProvenceU.S.A.France

T 1-800-247-3368 or 1-847-534-6000 T 33-4-90-42-92-92

www.bisco.com

1.4. Emergency telephone number

Emergency number : CHEMTREC - 24-Hour Hazmat Emergency Communications Center

Domestic: 1-800-424-9300 Outside the U.S.: 1-703-527-3887, collect calls accepted

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Skin sensitisation, Category 1 H317
Specific target organ toxicity - Single exposure, Category 3, Respiratory H335

tract irritation

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

Signal word (CLP) : Warning

Contains : 2-Hydroxyethyl Methacrylate, Benzoyl Peroxide, Triethylene Glycol Dimethacrylate, BisGMA

Hazard statements (CLP) : H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation. P261 - Avoid breathing fume/mist/vapours

Precautionary statements (CLP) : P261 - Avoid breathing fume/mist/vapours.

P264 - Wash hands thoroughly after handling.

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P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves/protective clothing/eye protection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P312 - Call a Poison Center or doctor if you feel unwell.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P501 - Dispose of contents/container to hazardous or special waste collection point in accordance with local/regional/national regulations.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component		
Triethylene Glycol Dimethacrylate (109-16-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
2-Hydroxyethyl Methacrylate (868-77-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Benzoyl Peroxide (94-36-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Triethylamine (121-44-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
BisGMA	CAS-No.: 1565-94-2 EC-No.: 216-367-7	50 - 75	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335
Triethylene Glycol Dimethacrylate	CAS-No.: 109-16-0 EC-No.: 203-652-6	30 - 50	Skin Sens. 1B, H317
2-Hydroxyethyl Methacrylate	CAS-No.: 868-77-9 EC-No.: 212-782-2 EC Index-No.: 607-124-00-X	5 - 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzoyl Peroxide	CAS-No.: 94-36-0 EC-No.: 202-327-6 EC Index-No.: 617-008-00-0	1 - 5	Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10)
2,6-Di-Tert-Butyl-4-Methylphenol	CAS-No.: 128-37-0 EC-No.: 204-881-4	< 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Triethylamine substance with a Community workplace exposure limit	CAS-No.: 121-44-8 EC Index-No.: 612-004-00-5	<1	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
Triethylamine	CAS-No.: 121-44-8 EC Index-No.: 612-004-00-5	(1 ≤C < 100) STOT SE 3, H335

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash

occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing

fume/mist/vapours.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear

personal protective equipment. Avoid breathing fume/mist/vapours.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be

allowed out of the workplace. Do not eat, drink or smoke when using this product. Always

wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):







8.2.2.1. Eye and face protection

No additional information available

8.2.2.2. Skin protection

No additional information available

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour Clear pale yellow. Appearance Viscous Liquid. Odour Acrylic. Odour threshold Not available Melting point Not applicable Not available Freezing point Boiling point : Not available Not applicable Flammability : Not available **Explosive limits** : Not available Lower explosion limit Upper explosion limit : Not available Flash point : Not available Auto-ignition temperature : Not available Decomposition temperature : Not available : Not available рΗ Viscosity, kinematic : Not available Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available

Solubility : Not available
Partition coefficient n-octanol/water (Log Kow) : Not available
Vapour pressure : Not available
Vapour pressure at 50°C : Not available
Density : Not available
Relative density : Not available
Relative vapour density at 20°C : Not available
Particle characteristics : Not applicable

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9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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2-Hydroxyethyl Methacrylate (868-77-9)		
LD50 oral rat	5564 mg/kg bodyweight (Rat, Experimental value, Oral)	
LD50 dermal rabbit	> 5000 mg/kg (24 h, Rabbit, Male, Experimental value, Dermal)	
Benzoyl Peroxide (94-36-0)		
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: male	
Triethylamine (121-44-8)		
LD50 oral rat	730 mg/kg Source: ECHA	
LD50 dermal rabbit	580 mg/kg Source: ECHA	
LC50 Inhalation - Rat	7 mg/l (EPA OTS 798.1150: Acute inhalation toxicity, 4 h, Rat, Male / female, Experimental value, Converted value, Inhalation (vapours), 14 day(s))	
LC50 Inhalation - Rat [ppm]	3496 ppm Source: ECHA	
2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0)		
LD50 oral rat	> 6000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))	

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2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	> 2 mg/l Source: OSHRI GLP toxicity test
Triethylene Glycol Dimethacrylate	(109-16-0)
LD50 oral rat	10837 mg/kg Source: NLM,THOMSON
Skin corrosion/irritation :	Causes skin irritation.
2-Hydroxyethyl Methacrylate (868-77-9)	
pH	No data available in the literature
Benzoyl Peroxide (94-36-0)	
рН	No data available in the literature
Triethylamine (121-44-8)	
рН	12.5 Source: ECHA
2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0)	
рН	No data available in the literature
Triethylene Glycol Dimethacrylate	(109-16-0)
рН	6.8 - 7.2
Serious eye damage/irritation :	Causes serious eye irritation.
2-Hydroxyethyl Methacrylate (868-77-9)	
pH	No data available in the literature
Benzoyl Peroxide (94-36-0)	
рН	No data available in the literature
Triethylamine (121-44-8)	
рН	12.5 Source: ECHA
2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0)	
рН	No data available in the literature
Triethylene Glycol Dimethacrylate	(109-16-0)
рН	6.8 - 7.2
Respiratory or skin sensitisation :	May cause an allergic skin reaction.
Germ cell mutagenicity : Carcinogenicity :	Not classified Not classified
Benzoyl Peroxide (94-36-0)	THO CHARGING THE PARTY OF THE P
IARC group	3 - Not classifiable
2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0)	
IARC group	3 - Not classifiable
Triethylene Glycol Dimethacrylate	(109-16-0)
IARC group	4 - Probably not carcinogenic to humans
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2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0)	
NOAEL (chronic, oral, animal/male, 2 years)	25 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:
	Not classified
STOT-single exposure :	May cause respiratory irritation.
BisGMA (1565-94-2)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure :	Not classified
Triethylamine (121-44-8)	
LOAEC (inhalation, rat,dust/mist/fume, 90 days)	1.02 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
Triethylene Glycol Dimethacrylate	(109-16-0)
LOAEC (inhalation, rat, gas, 90 days)	350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Remarks on results: other:
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEC (inhalation, rat, gas, 90 days)	100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Remarks on results: other:
Aspiration hazard :	Not classified
2-Hydroxyethyl Methacrylate (868-77-9)	
Viscosity, kinematic	6.4 mm²/s (20 °C)
Benzoyl Peroxide (94-36-0)	
Viscosity, kinematic	No data available (test not performed)
Triethylamine (121-44-8)	
Viscosity, kinematic	No data available in the literature
2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0)	
Viscosity, kinematic	3.47 mm²/s (0 °C, ASTM D445: Capillary viscometer)

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

ocomon iz. Ecological information	
12.1. Toxicity	
Ecology - general :	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term : (acute)	Not classified
Hazardous to the aquatic environment, long-term : (chronic)	Not classified
2-Hydroxyethyl Methacrylate (868-77-9)	
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	380 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

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2-Hydroxyethyl Methacrylate (868-77-9)		
ErC50 algae	836 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)	
Benzoyl Peroxide (94-36-0)		
LC50 - Fish [1]	0.0602 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semistatic system, Fresh water, Experimental value, GLP)	
EC50 - Crustacea [1]	0.11 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)	
ErC50 algae	0.0711 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)	
Triethylamine (121-44-8)		
LC50 - Fish [1]	24 mg/l Source: ECHA	
EC50 72h - Algae [1]	8 mg/l Source: ECHA	
EC50 72h - Algae [2]	6.8 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
LOEC (chronic)	14 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'	
NOEC (chronic)	7.1 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'	
2,6-Di-Tert-Butyl-4-Methylphenol (128-37-	0)	
LC50 - Fish [1]	> 0.57 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	
LC50 - Fish [2]	0.199 mg/l (LC50; ECOSAR v1.00; 96 h; Pisces)	
EC50 - Crustacea [1]	0.48 mg/l Test organisms (species): Daphnia magna	
EC50 - Crustacea [2]	0.15 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)	
EC50 72h - Algae [1]	> 0.4 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
LOEC (chronic)	1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic)	0.023 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
Triethylene Glycol Dimethacrylate	(109-16-0)	
LC50 - Fish [1]	16.4 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
EC50 72h - Algae [2]	72.8 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
ErC50 algae	> 100 mg/l (Equivalent or similar to EU Method C.3, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value)	
LOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic)	32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	

12.2. Persistence and degradability

2-Hydroxyethyl Methacrylate (868-77-9)		
Persistence and degradability Biodegradability in soil: no data available. Readily biodegradable in water.		
Benzoyl Peroxide (94-36-0)		
Persistence and degradability	Readily biodegradable in water.	

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Triethylamine (121-44-8)		
Persistence and degradability	Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	< 0.001 g O₂/g substance	
Chemical oxygen demand (COD)	1.02 g O ₂ /g substance	
2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0)		
Persistence and degradability	Not readily biodegradable in water.	
Biochemical oxygen demand (BOD)	0.51 g O ₂ /g substance	
Chemical oxygen demand (COD)	2.27 g O ₂ /g substance	
ThOD	2.977 g O₂/g substance	
BOD (% of ThOD)	0.17	
Triethylene Glycol Dimethacrylate	(109-16-0)	
Persistence and degradability	Readily biodegradable in water.	
BisGMA (1565-94-2)		
Persistence and degradability	Biodegradability in water: no data available.	
12.3. Bioaccumulative potential		
2-Hydroxyethyl Methacrylate (868-77-9)		
Partition coefficient n-octanol/water (Log Pow)	0.42 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)	
Bioaccumulative potential	Not bioaccumulative.	
Benzoyl Peroxide (94-36-0)		
Partition coefficient n-octanol/water (Log Pow)	3.2 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
Triethylamine (121-44-8)		
Triethylamine (121-44-8)		
Triethylamine (121-44-8) BCF - Fish [1]	< 0.5 (OECD 305: Bioconcentration: Flow-Through Fish Test, 42 day(s), Cyprinus carpio, Fresh water, Experimental value)	
BCF - Fish [1]	Fresh water, Experimental value)	
BCF - Fish [1] Partition coefficient n-octanol/water (Log Pow)	Fresh water, Experimental value) 1.45 (Experimental value)	
BCF - Fish [1] Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	Fresh water, Experimental value) 1.45 (Experimental value)	
BCF - Fish [1] Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0)	Fresh water, Experimental value) 1.45 (Experimental value) Low potential for bioaccumulation (BCF < 500).	
BCF - Fish [1] Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	Fresh water, Experimental value) 1.45 (Experimental value) Low potential for bioaccumulation (BCF < 500). 4.17 (Experimental value, 37 °C)	
BCF - Fish [1] Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	Fresh water, Experimental value) 1.45 (Experimental value) Low potential for bioaccumulation (BCF < 500). 4.17 (Experimental value, 37 °C) Potential for bioaccumulation (4 ≤ Log Kow ≤ 5).	
BCF - Fish [1] Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential Triethylene Glycol Dimethacrylate	Fresh water, Experimental value) 1.45 (Experimental value) Low potential for bioaccumulation (BCF < 500). 4.17 (Experimental value, 37 °C) Potential for bioaccumulation (4 ≤ Log Kow ≤ 5). (109-16-0)	
BCF - Fish [1] Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential Triethylene Glycol Dimethacrylate Partition coefficient n-octanol/water (Log Pow)	Fresh water, Experimental value) 1.45 (Experimental value) Low potential for bioaccumulation (BCF < 500). 4.17 (Experimental value, 37 °C) Potential for bioaccumulation (4 ≤ Log Kow ≤ 5). (109-16-0) 2.3 (Practical experience/observation, EU Method A.8: Partition Coefficient)	
BCF - Fish [1] Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential Triethylene Glycol Dimethacrylate Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	Fresh water, Experimental value) 1.45 (Experimental value) Low potential for bioaccumulation (BCF < 500). 4.17 (Experimental value, 37 °C) Potential for bioaccumulation (4 ≤ Log Kow ≤ 5). (109-16-0) 2.3 (Practical experience/observation, EU Method A.8: Partition Coefficient)	

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12.4. Mobility in soil

2-Hydroxyethyl Methacrylate (868-77-9)		
Surface tension	No data available in the literature	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.164 - 0.708 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Adsorbs into the soil.	
Benzoyl Peroxide (94-36-0)		
Surface tension	No data available (test not performed)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)	
Ecology - soil	Low potential for mobility in soil.	
Triethylamine (121-44-8)		
Surface tension	20.05 mN/m (25 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.03 (log Koc, SRC PCKOCWIN v1.66, Calculated value)	
Ecology - soil	Low potential for adsorption in soil.	
2,6-Di-Tert-Butyl-4-Methylphenol (128-37-0)		
Surface tension	Not applicable (water solubility < 1 mg/l)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.362 (log Koc, SRC PCKOCWIN v1.66, Calculated value)	
Ecology - soil	Low potential for mobility in soil. May be harmful to plant growth, blooming and fruit formation.	
Triethylene Glycol Dimethacrylate (109-16-0)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.89 (log Koc, Calculated value)	
Ecology - soil	Highly mobile in soil.	

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

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14.1. UN number or ID number

UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable
UN-No. (ADN) : Not applicable
UN-No. (RID) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

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14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Added	
	Supersedes version of	Added	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
6.1	Emergency procedures	Modified	
7.1	Precautions for safe handling	Modified	

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4

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Full text of H- and EUH-statements:		
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
H225	Highly flammable liquid and vapour.	
H241	Heating may cause a fire or explosion.	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
Org. Perox. B	Organic Peroxides, Type B	
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1B	Skin sensitisation, category 1B	
STOT SE 3	Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.